(In robing room)

THE COURT: Bear in mind that we have sharp time constraints. I indicated that each side would have 15 minutes, roughly, so let's see if you could stay within that time frame. Possibly the most expeditious way of doing this would be for, if possible, the witness to make a narrative of whatever it is you want him to testify to rather than waiting for questions, if that's possible, and then whenever you reach any of these sensitive matters just it flag it, and at that point, after we have a record, the parties can go back and try to redact.

CHARLES ERGAN,

having been previously sworn, testified as follows:

BY MR. PARKER:

Q. I put in front of the witness 7199. Sir, can you identify this document?

We have two topics this morning, your Honor, one is a business plan and the second is some strategic partnership that we need to talk about.

Sir, can you identify this document, sir?

- A. This is a preliminary model of DISH's 5G business plan.
- Q. And have you personally been involved in preparing this?
- A. I have.
 - Q. Who else is involved in preparing this?
 - A. Mr. Cullen, our development team and our financial team,

- JCITSTA1 Ergan - Direct 1 and then other parts of our business, different functions, be 2 it our IT business or sales and marketing teams. 3 I want to point out -- has this been presented to the board 4 of directors? 5 This has been. A. 6 Q. Are you periodically presenting business plan iterations to 7 the board? 8 A. We have. As we learn more information, as we have gone 9 through the RFP process and as we talk to vendors and talk to partners, this model evolves. Its latest iteration is probably 10 11 about 30 days ago, and it's a little different than this, and 12 it will probably evolve a little more, but it's pretty close. 13 Q. You talk about the end of period subscribers. Could you describe what that line item is? I'm on page 3, the very top 14 15 line item, sir. 16 A. Maybe I can take the judge's suggestion and kind of give 17 you a narrative. 18 0. That's a lot better. 19 If we went to 3, it basically shows we could take the 9
 - A. If we went to 3, it basically shows we could take the 9 million subscribers and grow the business. And in fact, in the 2020s we would grow the business to subscribers, and then goes up from there. That's the first thing.

The second thing that I think is important about the model is you look at the ARPU and how much the customer pays to us, and you see in the model that that comes in materially

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lower than where the incumbents are today. The incumbents today are in the 42 to \$48 range, this actually over time drops in terms of what the average customer pays in terms of a process. It shows both post-paid and prepaid, so we meet the Justice Department guidelines on the post-paid. Those

actually end up being some of our most profitable subscribers.

Ergan - Direct

It takes into consideration -- I think some of the assumptions are important because every model -- in every model you have assumptions about what you think is going to happen, so the underlying base you make a determination whether those are credible or not. So it does assume that we'll have marketing partnerships with people other than DISH, it does assume that we don't have any constraints on the number of people that we can put on the system, on the T-Mobile network, it does assume that we're able to adopt eSIM technology and utilize that in a competitive way, it does assume that we are able to bundle other things besides just the wireless business. Those are the main ones.

It does assume in this model if the merger closed January 1st, I think that's probably -- since that maybe perhaps is not realistic today, everything in this model would If the merger closed March 1st, it would shift two months. So when you look at the annual, you have to kind of mentally add two months to this.

So that's the gist of the model. But basically the

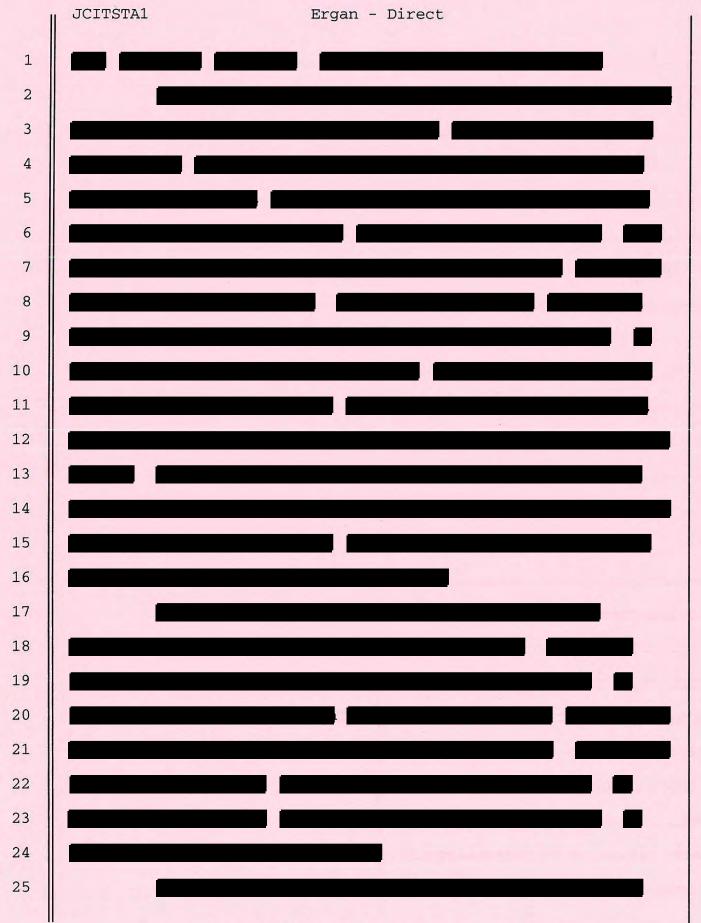
big picture shows we could be competitive and grow the business 1 2 and show we could be very profitable and does generate profits 3 and cash flow that continues to build our business. 4 0. Two quick questions. On page 3, the top entry, that is 5 your projected subscriber growth from 6 A. That's 7 , these are all in millions. Excuse me, A. So to put in perspective, the first year we expect to go 8 from 9 million -- first twelve months is what I should say, go 9 subscribers, and then ultimately 10 from 9 million to by the end of 2025 we expect to get subscribers. So 11 12 that's a little larger than Sprint, and that's just prepaid and 13 post-paid, so that isn't the wholesale customers. Then average ARPU, is that dollars per sub per month? 14 A. Yes, and that shows a little less -- it shows 15 average in 2020 and ends up being around -- going down over 16 time to about And it's important realize it's not just 17 18 the ARPU, not only is the customer going to get a lower price, 19 but they will get more features and more capacity. As you improve the network there's more features that the customer 20 21 will get basically at no extra charge. 22 THE COURT: How does your ARPU compare to Sprint's 23 current? THE WITNESS: Let me compare to Boost, their prepaid 24 business. Their ARPU today is a little over the last 25

Ergan - Direct

1	number I saw in November, this is
2	than what they charge today. Not only will it be less price,
3	but obviously they will have a better network, so they're
4	getting actually a much better network for less money, and the
5	is less. On the other side of the scale, Verizon today is
6	probably in the \$40 range. They have the best network, so they
7	could charge a premium for it.
8	Q. Moving on to another topic, have you considered strategic
9	partnerships in connection with the new enterprise you're
10	embarking on here?
11	A. We have, and I probably should first of all, for a big
12	picture perspective, we don't have every skill set we need.
13	When we built satellites, we needed partners to help us out.
14	We needed someone to build the satellite, we needed someone to
15	launch the satellite. In this case in the 5G world, this is
16	kind of a new technology, there are pieces that we'll need help
17	with, and in that case we need partners.
18	The only sensitive part is going to be I will put
19	that in two buckets. The first bucket is non-sensitive. Let's
20	take a tower company where we might you need towers, you
21	would do an arm's length transaction, I would pay you, the
22	tower company, a lease and you would be happy to do business
23	with me because it's in your financial best interests. I need
24	that partnership, loosely "partnership." That's not sensitive

information, so let's put that aside, and that could be in open

Ergan - Direct JCITSTA1 court if somebody wants to ask about it. But the partnerships that are sensitive are those people that not only are happy to do business with you because it might in your financial interest, but strategic. In some cases they might want to provide capital. So the most

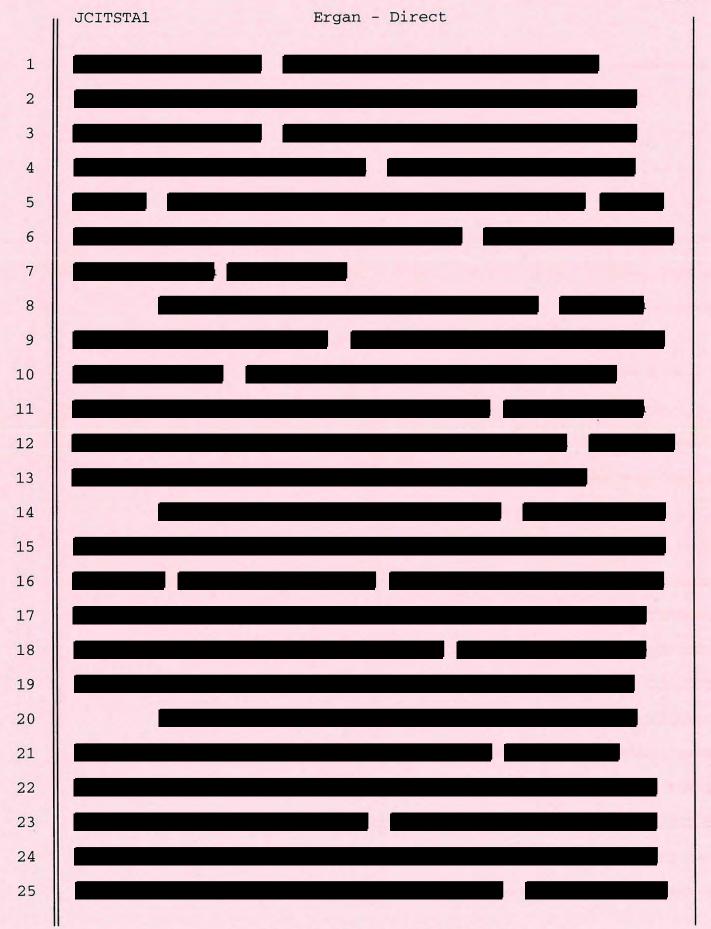


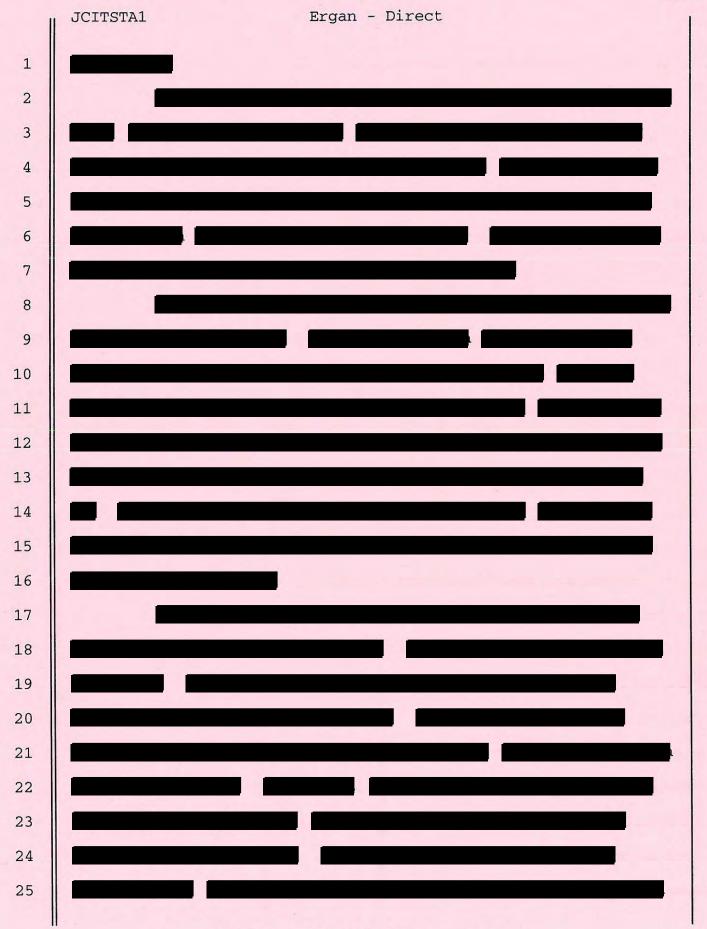


Now let me back up a little bit. There's different buckets of people interested in this. Let's talk about the cable industry. We talked yesterday about the barrier to entry being the amount of spectrum that you have, and obviously DISH is well positioned with spectrum with the potential optionality of 850 megahertz in the future. The cable industry today, the three big players are in the business within MVNO deals, but particularly in Comcast and Charter's case, it's just not a

Case 1:19-cv-05434-VM-RWL Document 401-1 Filed 01/27/20 Page 9 of 28 JCITSTA1 Ergan - Direct very good deal. It's a mirror image. They sell on the Verizon network, they don't have their own core or their own phone numbers. And the deal is not -- doesn't help them be particularly competitive, let's put it that way. And I then would fast forward to what I call the web scale companies. Because we're building the first network that's 100 percent in the cloud, something we call cloud native, and that's where all your processing goes, that's where

your brain is, that's where the processing goes on.





Ergan - Direct

The next big bucket I call the enterprise strategic partners. So there are three companies in the United States today that every Fortune 500 company deals with. Usually one or two of these companies you will deal with, but everybody deals with at least one of those companies, and

You will hear buzz words,

"containers," "kubernetes", it just means it's a bunch of software. And all of their customers use these kubernetes in their business, and they all would like to have access to a private network where they have a network where there's a wireless network connectivity they could use themselves.

Let me give you real world example. If you're an automotive plant and making cars in North Carolina, you're going to have some robotics in that plant, and those robotics need -- today those robots can't move, there's a big cable on every robot. Modern technology, what you start to see in China is those robots move, because they're connected wirelessly, but you need a network to do that. You need a lot of capacity. So they want a private network to be able to share in their factory production they can have wireless robotics, they can have safety for the workers so they know where the workers are,

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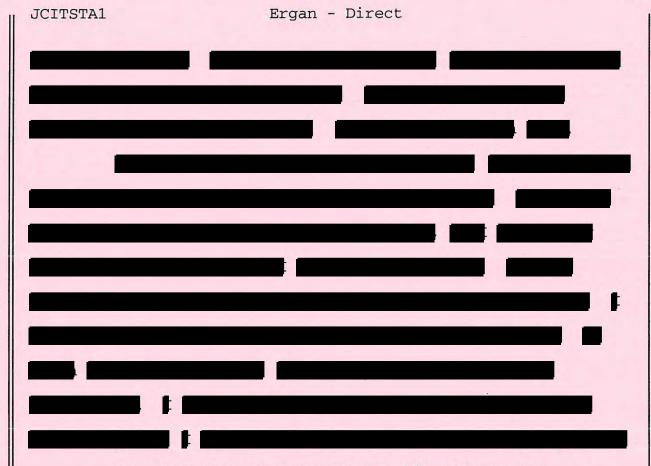
Ergan - Direct

they want to know the temperature, if there's gas, if there's gases, if there's something that -- they want security, so they want their communications and their phones to be secure, so they wouldn't want me bringing -- like in this courthouse, they wouldn't want me bringing my phone in, they would want a phone that was secure, Jio coded to their factory. Then the automobile, they want to have connectivity to the automobile that they produce, and the insurance company wants to know how fast you drive, did you drive sober, does your engine need repair, is your oil okay. So they want to be able to connect to the car once it leaves the factory and goes to the dealer, and then they want to know when it's sold and how it performs so they could make the product better. They also want to upgrade the phone. Tesla does this today. But they want to upgrade the phone through software, so a very simple example is they want to download Christmas music at Christmas to your car, and when Christmas is over and it's Valentine's Day, they want to send you something about Valentine's Day. So these are things that the car companies want to do.

THE COURT: The police want to know where certain people are.

THE WITNESS: They definitely want to do that.

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But with the announcement of this transaction, everyone understands, A, a lot of what we were talking about a year or two ago, and they see the path now to a modern architecture and they see something good for their company. And there's two motivations, really two motivations with business CEOs, greed, very powerful, and fear, but fear is just as powerful. And so the fear of being left out of where this industry is going is — their boards have told them they need a 5G strategy, and they don't want to be left out. And they're not as interested — it's not that they can couldn't buy from the incumbents or do a deal, and they will do deals with them, I think more on the arm's length side, but they don't want the old architecture, they want to go where the business is going.

Ergan - Direct

They don't want to start with where it was, at least this generation of leaders. So that's -- I don't know if I covered that well enough.

THE COURT: Mr. Parker, do you have any other questions?

MR. PARKER: I don't have any other questions.

THE COURT: Let me turn to Ms. Blizzard.

MS. BLIZZARD: Thank you. A couple of preliminary matters. So we know what was covered, and there's another DISH witness, we'll try to cover everything that could potentially be covered now, and I may ask my colleague, Ms. Boyce, who will be handling the second witness, Mr. Cullen, to also ask a few questions, with your permission here?

THE COURT: Okay.

MS. BLIZZARD: Do you want to ask another clarifying question?

MS. BOYCE: Yes, I'm planning to speak to Mr. Cullen briefly about this business model as well and hoping to put it on the confidential screen but then ask some questions in the abstract about the length of time that it might take to get to the levels of growth that this chart displays, because obviously under the law the timeliness of the entry of the fourth competitor is relevant. And I wanted to make sure that your Honor would not understand questions in the abstract about, for example, whether it would take more than two to

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Ergan - Cross

three years to achieve this level of growth would be highly 1 confidential so long as I stay away of the specifics of the 2 particular plan. 3 MR. MICHALOPOULOS: So long as the it's in the 4 abstract, that's acceptable to us. 5 THE COURT: Thank you. 6 7 CROSS-EXAMINATION BY MS. BLIZZARD: 8 Turning back to your business plan just for a few minutes 9 so the line under revenues that says dollars per sub per month, 10 page 3 of 24, the line that says dollars per sub per month, 11 your counsel referred to that as the ARPU line, I wanted to 12 clarify you were using ARPU, that's the line I would be 13 pointing, to the first number is 14 A. Yes, dollars per sub per month I would say is the ARPU 15 16 line. Q. If the merger doesn't close later, all these numbers would 17 shift over say two or three months, and what really this 18 indicates is the first calendar year of operations, or 2020 19 would be the first calendar year? 20 21 A. Yes.

Q. Okay. You made a comment you said that the Boost subscribers were going to be on a better network when they came over when they were divested to DISH. Do you recall that?

A. I said a general statement, yes.

Ergan - Cross

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Q.	But	are	you	aware	that	Sprin	t today	has	a	roaming	agreement
with	1 T-1	Mobi	le?	Are yo	ou awa	are of	that?				

A. Yes.

Q. So the Boost customers today are riding on the Sprint network and have T-Mobile roaming available today, right? That's true?

A. I don't know the whole -- I don't know the details of that roaming agreement today, but I can tell you what our plans are, which is to any new customer, day one, we will provision only on the T-Mobile network. So when I say Boost subscribers will be on the T network, I'm referring to any new customer will be on the T-Mobile network. The current 9 million customers that we have today, some of those customers have handsets today that are compatible with T-Mobile that we can transition over in a fairly short period of time to T-Mobile. Let's call that a



And then the rest, they will have to stay in the Sprint network. Those particular phones are not capable of roaming on the T-Mobile network because they don't have the right frequency, the right bands in them. So two things will

notwithstanding the discount, it's still better to

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stay on that network, but our initial evaluation is

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1 transition people to the T-Mobile network.

Q. In the interests of time, a lot of which is also probably not confidential, I will move on to the strategic partnerships.

Are any of these agreements with all these partnerships signed?

- A. No.
- Q. You said yesterday in open court that you were discussing the highly confident letters and discussing how to move those to commitments would actually cost money, do you remember that?
- A. Yes.
 - Q. And you said: If I knew that this trial -- if I knew the decision on this trial, and it was a favorable decision to the merger, we certainly would be willing to do that, to spend money, but I wouldn't go risk that kind of money because I think there's real issues with this case.

Do you recall that?

- 17 | A. Yes.
 - Q. So are all these strategic partnerships in the same bucket, that you won't be signing any of them until after there's a decision on this case?
 - A. That's correct, because they don't -- they want to know what -- they want to know who to partner with, and DISH is a materially different company with this transaction and they are a materially different company without this transaction.
 - Q. And you were discussing enterprise strategic partnerships,

employees on that network.

Ergan - Cross

and the types of access to private networks that they would want to have that DISH might be willing to provide. Do you recall that?

A. Yes.

Q. To clarify, that doesn't involve retail mobile wireless, right, those are not sales to consumers by definition?

A. They are but it's indirect. So if you went to General Electric and you did a private network for General Electric, we would do that under the condition that their General Electric employees, of which they have hundreds of thousands, would get access to our mobile phones. And the reason that General Electric would want to do that is because they have a secure connection, they have a General Electric app and they have a secure connection to their customers, so they could talk to themselves in a different way. So I'm not going to say you're not going to get every GE employee in that case, but you have an indirect benefit there, and it's a really low cost marketing strategy to get customers. Wal-Mart has 1.3 million employees. They deal with Wal-Mart. We will get a fair number of those

Q. But those contracts are controlled, administered through the enterprise. In other words, there's not going to be a store on the street next to the Verizon store where a consumer walks in to get a DISH General Motors or Wal-Mart strategic partnership phone, these are going to be administered through

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Ergan - Cross

the enterprise, right? 1 In many cases, like in General Electric, they would 2 probably walk into their office and get the phone there instead 3 of going to take store. Actually it would probably a better 4 experience. And at Wal-Mart, there they have stores, it might 5 be a different situation, but they wouldn't be walking into a 6 Boost store on the corner to get it I think is your point, and 7 think I think that's probably true. 8 Q. A couple more questions. These are materials that your 9 counsel has marked as highly confidential from your deposition, 10 and I want to confirm a couple of quick statements with you. 11 So I asked you at your deposition regarding documents 12 that discussed with you could get to 13 pops, meaning population coverage, and I asked you: Do you 14 believe -- do you still believe that with you 15 , and you said yes. 16 could get to 17 A. Yes. Is that still correct? 18 19 A. Yes. MR. PARKER: Your Honor, could we have counsel 20 identify the page and line number? 21 MS. BLIZZARD: Absolutely, page 32 of the deposition, 22 starting with line 2, a couple of questions maybe running to 23 24 line 21.

Thank you.

MR. PARKER:

Ergan - Cross

1 BY MS. BLIZZARD:

- Q. Do you recall at your deposition we discussed the status of your negotiations with T-Mobile about the 600 megahertz spectrum leases?
- A. Yes.

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- MS. BLIZZARD: And for counsel's record, it starts page 210, line 24, and runs to page 212, line 24.
- Q. And at that time let me explain a little bit, because the judge may not be aware of these, so the proposed final judgments requires DISH and T-Mobile to discuss leases of DISH's spectrum back to T-Mobile in the 600 megahertz range.

Correct?

- A. That's correct.
- 14 Q. And you have begun those discussions with T-Mobile?
- 15 A. We have had discussions with T-Mobile.
- Q. And when we spoke at the deposition, you said that initially their bid and our off were far apart. Do you recall
- 19 A. I did, and they still are.
- Q. That was my question. And you said that their bid was more
 in the range of , where we had in the first year
- 22 Do you recall that?
- 23 A. I do.

that.

- Q. Have the discussions progressed at all since that time?
- 25 A. No. In fact we have had no further discussions since the

Ergan - Cross

1 deposition.

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Q. And you also mentioned that there was -- part of a dispute was not only the money, but the amount of time for the lease,

is that still correct?

A. That's correct.

Q. And then the third issue related to the 600 megahertz negotiations was a difference in geographic markets, that

A. Your analysis of that is correct, and it's still an issue.

Q. You mentioned at your deposition that you had gotten an update from Sprint on the specific Boost financials. Do you recall that?

A. Yes.

Q. And you had stated at the time that the performance had been less than expected. Do you recall that?

A. Yes.

Q. Is that still your understanding?

A. Yes. I have the updated to November, so November was above expectation, but since the budget that that they gave us until today is still -- it's very slight, but it's below projections.

JCITSTA1 Ergan - Cross 1 2 3 4 Were those projections for subscribers or revenue or some 5 6 other measure? 7 8 9 10 MS. BLIZZARD: I think that's all the questions I 11 have. Do you have any other? MS. BOYCE: Yeah, just a few if I may. 12 CROSS-EXAMINATION 13 BY MS. BOYCE: 14 Q. Mr. Ergan, these various strategic partnership potential 15 discussions that we have discussed, those have all happened in 16 the last couple of months, correct? 17 A. No, we have been talking to some of those companies, not 18 all, but some for several years as we started planning our 19 build out in the first two phases; one was the IoT network, and 20 the second phase was always the 5G. Having said that, I think 21 you're somewhat correct in the sense that when this deal was 22 23 announced that that was a catalyst for our 5G network to be build quicker, and therefore a catalyst for them to engage in 24

more serious and timely discussions.

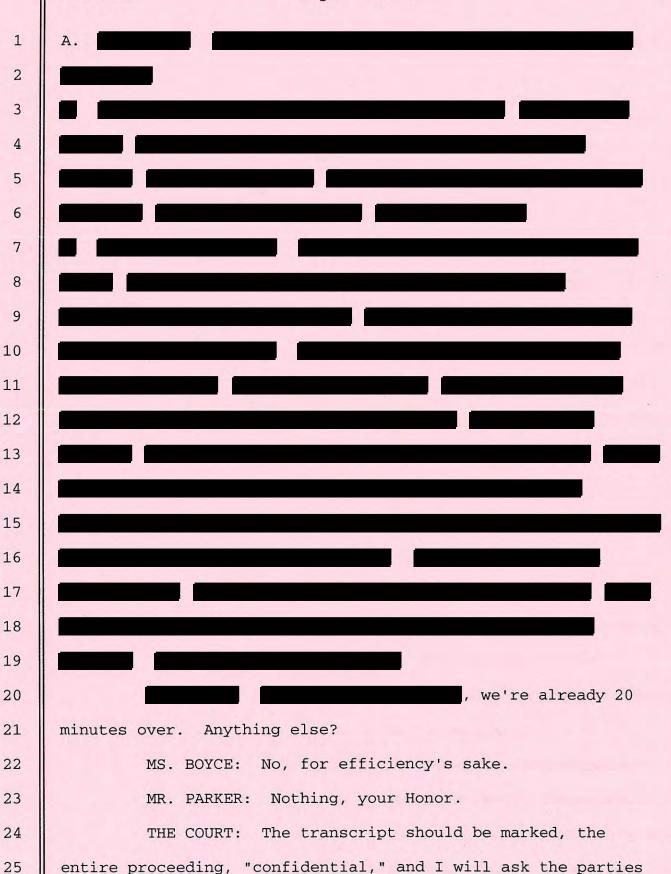
- So when we deposed you and Mr. Cullen, you didn't 1 Sure. bring up these more serious partnerships because they had not 2 3 yet happened, correct? A. That's not true. I disagree with that, I guess I would 4 say. It may be true, I don't think it's true. 5 O. So let's say, for example, the partnership with 6 you mentioned, with respect to partnering on your particular 7 network, those discussions have progressed over the last couple 8 of months, correct? 9 They continue to progress. I got an email last night about 10 furthering discussions. 11 Q. And neither you nor Mr. Cullen gave us specific details 12 about those discussions at your deposition because they had not 13 14 happened yet, correct? That's not correct. I don't know about Mr. Cullen's 15 deposition, I have no knowledge of that, but my recollection in 16 my deposition I was asked by Ms. Blizzard if we had talked to 17 I believe I answered yes, and I believe there was 18 19 20
 - something to the effect of how interested are they, and I said they're very interested, and then I don't believe I was asked a question on the details of the discussions.
 - 0. Sure. So I --

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- That's my recollection. I could be wrong. A.
- I'm making a very small point, so I will get to that point. 24 Many of these conversations happened after the point at which 25

Case 1:19-cv-05434-VM-RWL Document 401-1 Filed 01/27/20 Page 26 of 28 JCITSTA1 Ergan - Cross 1 we would have received emails to look into them, correct? 2 A. Yes, I think there are -- the discussions are ongoing, 3 particularly as we go through design reviews, and they are part -- for example, I will to your point, 4 5 6 7 8 Q. One of the conversations that we do know about and have 9 been able to depose folks about . You're aware of 10 that, correct? 11 I'm not. 12 Well, I will represent to you now that we have spoken to 13 and were able to depose and my understanding 14 from that deposition is that 15 16 17 I don't know that. 18 0. You haven't been privy to any of the conversations? 19 Not on that subject. A. 20 0. And with respect to

- 21 A. I have not.
- 22 | Q. But your understanding --
- 23 A. With I have not.
- 24 | Q. But your understanding would be that you cannot in fact



Ergan - Cross JCITSTA1 subsequently to meet and confer and determine whether there may be some redacted version of the transcript that could be made public. (Continued on next page)